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KLOTZ DIGITAL'S VARIZONE COMPONENTS INSTALLED AT FRANKURT AIRPORT

Munich/Frankfurt, October 2007 – Frankfurt Airport's Public Address System in Terminal 1 has recently undergone extensive modernization. Amongst others the northern amplifier room has been completely renewed. Sittig Industrie-Elektronik GmbH replaced the outdated central unit and installed KLOTZ DIGITAL VARIZONE components within a traditional 100V Public Address System together with their network based multi channel speech management system (NetMSM). VARIZONE Line Managers were installed to monitor 128 analogue speaker lines in accordance with DIN 60849. The Public Address System is used for public announcements, individual and automatic announcements at the gates and voice evacuation. 100V technology was chosen as it seamlessly fits in with existing equipment. The new northern amplifier room became operational in the summer of 2007. The central unit, amplifiers and Line Managers were supplied by FG-Elektronik, KLOTZ DIGITAL's German exclusive sales and service partner for VARIZONE.

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KLOTZ DIGITAL AG of Munich, Germany is the world leader in AudioMedia Platform Technology. KLOTZ DIGITAL manufactures a variety of digital audio mixing consoles, the VADIS AudioMedia Platform, and VARIZONE systems for music distribution, paging and safety announcement installations. KLOTZ DIGITAL has 15 years experience in manufacturing and installing digital radio consoles and audio infrastructures. In fact, KLOTZ DIGITAL has over 1250 digital radio consoles and more than 2000 VADIS frames in service today. For more information contact KLOTZ DIGITAL Europe voice: **+49-89-45672-100**, email: europa@klotzdigital.com or on the web at: www.klotzdigital.com

The **VARIZONE Line Manager** is an intelligent interface to 70/100 V amplifiers in compliance with DIN EN 60849. It supports 8 amplifier channels and two spare channels and offers the flexibility to use any amplifier available. The Line Manager can be installed in remote locations as it is linked to the controller via DSS Bus which transfers 8 audio channels and control data, fully digitally and on a single cable. Furthermore it routes the 8 audio channels without limitations to multiple Line Managers set-up in daisy chain. In case of error or amplifier failure the Line Manager automatically switches transferred signals to spare channels. It in itself monitors the amplifier and speaker lines for short-circuits, ground leakage and interruption of speaker runs and immediately reports faults to the controller. Usage of 20kHz pilot pulse makes line surveillance inaudible and provides lower energy consumption. Line Managers are configured using the intuitive VARIZONE configuration Software.